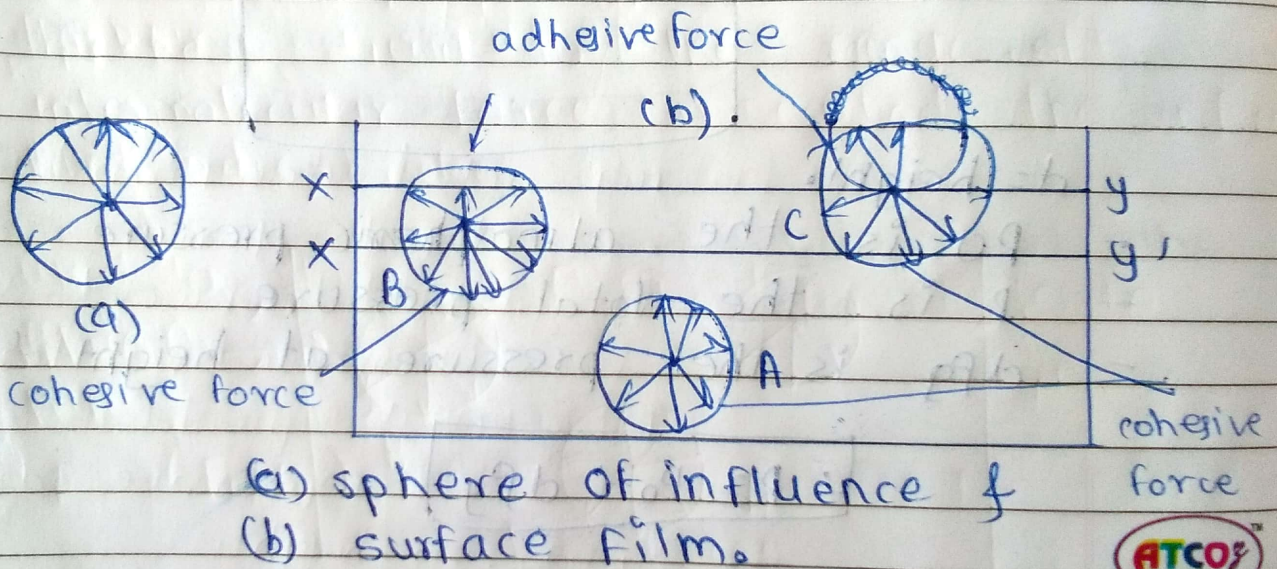


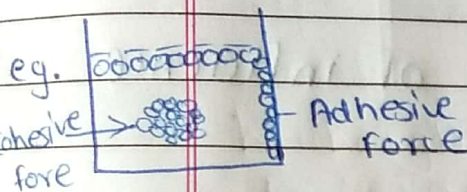
* Molecular Theory of surface Tension:



Imp

(a) * Intermolecular Force :

- Matter is made up of molecules.
- Any two molecules attach each other.
- defⁿ - The force between molecules is called Intermolecular force:-



Intermolecular force

Cohesive force

Adhesive force

- The force of attraction betⁿ the molecules of the same substance is called cohesive force.
- The force of attraction betⁿ the molecules of diffⁿ substances is called adhesive force.

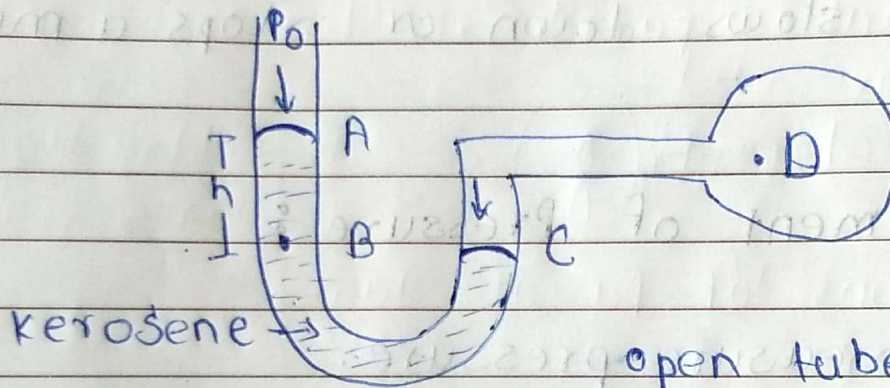
- Strong in solid & weakest in gas.

- e.g. attraction betⁿ glass & water.

e.g. attraction betⁿ 2 water/air molecule

② Open tube manometer.

- manometer $\rightarrow$ U-shaped tube.
- help in having a larger ~~area~~ level diffn betn the level of liquid in the 2 arms of the manometer.



$P_C = P_B$
pressure at point B is,

$$\therefore P_B = P_0 + h\rho g$$

$$\therefore P_C = P_0 + h\rho g$$

$$\therefore P = P_0 + h\rho g$$

$$\boxed{P - P_0 = h\rho g}$$

$$- (P = P_C)$$

